

**INFORMATION DISCLOSURE  
STATEMENT**

 Atty Docket:  
 Serial No.:  
 Applicant:  
 Filing Date:  
 Group:

 GCSD-1464 (51331)  
 10/658,022  
 Cain et al.  
 September 9, 2003

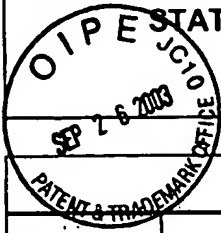
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**U.S. PATENT DOCUMENTS**

Examiner Initials		Document Number	Date	Name	Class	Sub Class	Filing Date
HN	AA	5,412,654	5/2/95	Perkins	370	94.1	
	AB	5,581,703	12/3/96	Baugher et al.	395	200.6	
	AC	5,884,174	3/16/99	Nagarajan et al.	455	436	
	AD	5,987,011	11/16/99	Toh	370	331	
	AE	6,189,033	2/13/01	Jin et al.	709	255	
	AF	6,216,006	4/10/01	Scholefield et al.	455	450	
	AG	6,304,556	10/16/01	Haas	370	254	
	AH	2001/0033556	10/25/01	Krishnamurthy et al.	370	329	1/18/01
	AI	6,335,927	1/1/02	Elliot et al.	370	352	
	AJ	2002/0018448	2/14/02	Amis et al.	370	255	4/24/01
	AK	6,349,091	2/19/02	Li	370	238	
	AL	6,377,548	4/23/02	Chuah	370	233	
	AM	6,385,174	5/7/02	Li	370	252	
	AN	6,396,814	5/28/02	Iwamura et al.	370	256	
	AO	2002/0082035	6/27/02	Aihara et al.	455	518	7/6/01
	AP	2002/0101822	8/1/02	Ayyagari et al.	370	235	11/30/00
	AQ	2002/0103893	8/1/02	Frelechoux et al.	709	223	1/29/02
	AR	6,449,558	9/10/02	Bowman-Amuah	703	21	
	AS	6,456,599	9/24/02	Elliott	370	254	
	AT	6,473,467	10/29/02	Wallace et al.	375	267	
	AU	H2051	11/5/02	Zhu et al.	370	395.21	
	AV	6,493,759	12/10/02	Passman et al.	709	227	
	AW	6,501,741	12/31/02	Mikkonen et al.	370	310	
	AX	6,515,972	2/4/03	Gage et al.	370	328	
	AY	6,522,628	2/18/03	Patel et al.	370	230.1	
HN	AZ	6,535,498	3/18/03	Larsson et al.	370	338	

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HN	BA	2003/0053424	3/20/03	Krishnamurthy et al.	370	316	8/7/01
HN	BB	2003/0067941	4/10/03	Fall	370	468	10/9/01

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub Class	Translation
	BC						

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

HN	BD	Zhu, <i>Medium Access Control and Quality-of-Service Routing for Mobile Ad Hoc Networks</i> , PhD thesis, Department of Computer Engineering, University of Maryland, College Park, MD, 2001
	BE	Mirhakkak et al., <i>Dynamic Quality-of-Service for Mobile Ad Hoc Networks</i> , MITRE Corp., 2000
	BF	Das et al., <i>Routing in Ad-Hoc Networks Using Minimum Connected Dominating Sets</i> , IEEE Int. Conf. On Commun. (ICC '97), 1997
	BG	Das et al., <i>Routing in Ad-Hoc Networks Using a Spine</i> , IEEE Int. Conf. On Computer Commun. and Networks (IC3N '97), 1997
	BH	Raghunathan et al., <i>Gateway Routing: A Cluster Based Mechanism for Recovery from Mobile Host Partitioning in Cellular Networks</i> , Proceedings of the 3 <sup>rd</sup> IEEE Symposium on Application-Specific Systems and Software Engineering Technology (ASSET'00), 2000
	BI	Chen et al., <i>Clustering and Routing in Mobile Wireless Networks</i> , Nortel Networks and Computer Science, SITE, University of Ottawa, (no date available)
	BJ	Krishna et al., <i>A Cluster Based Approach for Routing in Dynamic Networks</i> , ACM Computer Communications Review, 27(2), April 1997
	BK	Chiang, <i>Routing in Clustered Multihop, Mobile Wireless Networks with Fading Channel</i> , Proceedings of IEEE SICON '97, April 1997, pp. 36-45
	BL	Gerla, <i>Clustering and Routing in Large Ad Hoc Wireless Nets</i> , Computer Science Department, University of California, Los Angeles, Final Report 1998-99 for MICRO project 98-044
	BM	Van Dyck et al., <i>Distributed Sensor Processing Over an Ad-Hoc Wireless Network: Simulation Framework And Performance Criteria</i> , Proceedings IEEE Milcom, Oct. 2001
HN	BN	Lin et al., <i>Adaptive Clustering for Mobile Wireless Networks</i> , IEEE Journal on Selected Areas in Communications, 15(7), September 1997

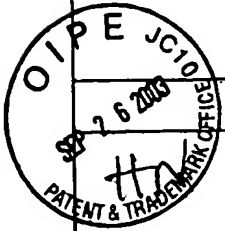
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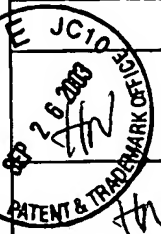
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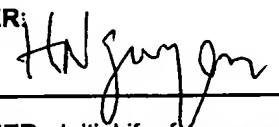
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**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

HN	BO	McDonald, PhD. <i>Dissertation Proposal: A Mobility-Based Framework for Adaptive Dynamic Cluster-Based Hybrid Routing in Wireless Ad-Hoc Networks</i> , University of Pittsburgh, 1999
HN	BP	Royer et al., <i>A Review of Current Routing Protocols for Ad Hoc Mobile Wireless Networks</i> , IEEE Personal Communications, April 1999, pp. 46-55
	BQ	Corson et al., <i>A Reservation-Based Multicast (RBM) Routing Protocol for Mobile Networks: Initial Route Constructions Phase</i> , ACM/1. 1, No. 4, 1995, pp. 1-39
	BR	Xiao et al., <i>A Flexible Quality of Service Model for Mobile Ad Hoc Networks</i> , IEEE VTC2000-spring, Tokyo, Japan, May 2000
	BS	Wu et al., <i>QoS Support in Mobile Ad Hoc Networks</i> , Computing Science Department, University of Alberta, (no date available)
	BT	Corson et al., <i>Mobile Ad Hoc Networking (MANET): Routing Protocol Performance Issues and Evaluation Considerations</i> , Network Working Group, Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, January 1999
	BU	Haas et al., <i>The Bordercast Resolution Protocol (BRP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001
	BV	Haas et al., <i>The Interzone Routing Protocol (IERP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001
	BW	Haas et al., <i>The Intrazone Routing Protocol (IERP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001
	BX	Clausen et al., <i>Optimized Link State Routing Protocol</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, October 31, 2001
	BY	Perkins et al., <i>Quality of Service in Ad hoc On-Demand Distance Vector Routing</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, July 2000
	BZ	Park et al., <i>Temporally-Ordered Routing Algorithm (TORA) Version 1 Functional Specification</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, July 20, 2001
	CA	Ogier et al., <i>Topology Broadcast Based on Reserve-Path Forwarding (TBRPF)</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, January 10, 2002
	CB	Gerla et al., <i>Landmark Routing Protocol (LANMAR) for Large Scale Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, December 17, 2001
HN	CC	Hu et al., <i>Flow State in the Dynamic Source Routing Protocol for Mobile Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, February 23, 2001
HN	CD	Gerla et al., <i>Fisheye State Routing Protocol (FSR) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, December 17, 2001



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	CE	Johnson et al., <i>The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR)</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, November 21, 2001	
	CF	Perkins et al., <i>Ad hoc On-Demand Distance Vector (ADOV) Routing</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, November 9, 2001	
	CG	Chakrabarti et al., "QoS Issues in Ad Hoc Wireless Networks", , IEEE Communications Magazine, (2/01), pp. 142-148	
	CH	Chen, "Routing Support for Providing Guaranteed End-to-End Quality-of-Service," Ph.D. thesis, Univ. of Illinois at Urbana-Champaign, <a href="http://cairo.cs.uiuc.edu/papers/Scthesis.ps">http://cairo.cs.uiuc.edu/papers/Scthesis.ps</a> , 1999	
	CI	Jin et al., <i>A Hierarchical Routing Protocol for Large Scale Ad Hoc Network</i> , IEEE 1999, pages 379-385.	
	CJ	Gerla et al., <i>Multicluster, Mobile, Multimedia Radio Network</i> , Wireless Networks I, 1995, pages 255-265.	

EXAMINER: 	DATE CONSIDERED: 4/17/06
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	